Software Release Updates

2004 MCTFS Conference

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http://missa.manpower.usmc.mil

CWO-3 Brad Acuff

GySgt Michael Shelv

Topics Cover

- Integrated Application Branch - Mission
- Background
- Development Cycle
- Software Release 1-03
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- Software Release 1-04
- Software Release 2-04
- MISSA/MISSO Portal
- Automated File Transfer and Reconciliation Process (Collection Server)
- Questions

Integrated Application Branch

Mission

To provide the Director, MISSA with the assistance necessary to plan, develop,coordinate, integrate, and enhance manpower information systems in order to support the human resource development process and personnel administration throughout the Marine Corps.

Integrated Application Branch

Mission

Conduct the following for UD/MIPS, TFAS/MOL, ODSE

- Evaluate Concept Statements
- Develop System Change Request (SCR)
- Software Acceptance Evaluation and Testing
- Functional Review of ITD Testing

Integrated Application Branch

Mission

Conduct the following for UD/MIPS, TFAS/MOL, ODSE

- Software Distribution
- Software Release Implementation
- System Problem/Resolution
  - Research and Analysis
  - Document and Coordinate Resolution
- Support Field Inquires, Issues and Problems

UD/MIPS Background

- Purpose of UD/MIPS – Unit Commander's Personnel and Retrieval System that does not require a continuous on-line connection. Work is completed in an off-line mode except for the upload/download process to the Mainframe.

- Self contained unit database (Commanders Unit Diary Database – CUDDB)

UD/MIPS Background

- UD/MIPS Fielding Data
  - Number of reporting Units: 1496
  - Number of UD/MIPS:
    - 170 + Server/3,329 Client
    - 200 + Standalone plus deployed units
- Used by the USMC since mid –1980’s

UD/MIPS Background

- **Functional Manager:**
  - **CMC(MI) (Quantico, VA)**
- **Program Manager:**
  - **MARCORSYSCOM (Quantico, VA)**
- **Functional Manager Representative:**
  - **MISSA (Kansas City, MO)**
- **Software Development Manager:**
  - **TSO(Kansas City, MO)**

UD/MIPS Background

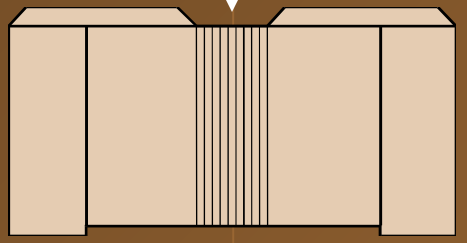
- **Field Date: Oct 2003**
- **Configuration:**
  - Enterprise Database
  - Enterprise Client
  - Personal
- **Oracle 9i Relational Database**
- **Cognos IMPROMPTU 6**

UD/MIPS Background (Processing)

Unit Diary Created,Certified and couriers completed in an off-line mode.

Workstation Server

Courier(s) Transferred to Mainframe for processing.



MCTFS Mainframe, St Louis, MO

DFR/TRECON Returned from MCTFS after Cycle

Development Cycle

- **Requirement Drivers**
  - **Department of Defense**
  - **Legislation**
  - **CMC**
  - **User needs/Commander support**

Development Cycle

- **Software Development**
  - **18 Month Cycle from concept to implementation.**
  - **Two Software Releases (SR's) per year.**
  - **April and October.**

Development Cycle

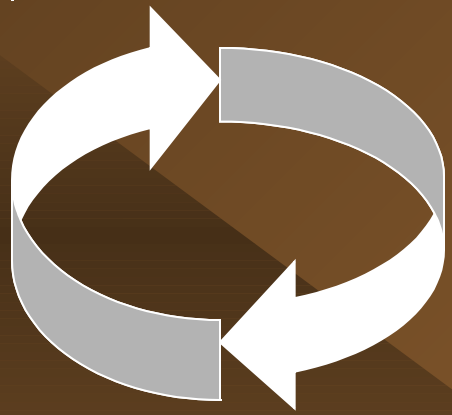
Problem Resolution and Maintenance
Oct - Apr / Apr - Oct

Receive Concept Statement
Aug / Feb

Concept Statement to SCR

Aug-Nov / Feb-May

Implementation
Oct / Apr (5 days after Mid-Month U&E)



CMC(MI) Approval
Dec / Jun

CD Replication & Distribution

Oct / Apr

Configuration Control Board (CCB)
Jan / Jul

Monitor Development- design, programming and test.

Jan - Oct / Jul - Apr

Software Release

SR 2-03

SR 2-04

SR 1-03

SR 1-04

Software Release

Electronic Feedback
SR 1-03

MOL
BCP-0

Upgrade to
Oracle 9i
SR 2-03

MOL
BCP-1

Collection Server
Enhancements
SR 1-04

MOL
BCP-1
Phase 2

- Courier Queuing Fix
- Table Driving the Upfront Edits

SR 2-04

MOL
BCP-2

Recap of Releases

Software Release 1-03 Recap

DFAS Projects

Automate Payment of Lump Sum Leave(LSL)

Combat Zone Tax Exclusion Modification

Change to Court –Martial Reporting

Career Status Bonus Enhancements

New Active Duty State Tax Remark

Software Release 1-03 Recap

MCTFS Projects

Reporting Mobilization Delays, Deferments, and Exemptions

New Combat Service Codes

Platoon/Company Code Enhancements

EDFR Enhancements 2003

Recalled Reserve Retirees

Incurred Obligated Service Code and Incurred Service Date

Advisory for Clothing Replacement Allowance

Combat Physical Fitness Test (PFT) Waiver

DNA Testing Date

Move Mainframe Accessions to UD/MIPS

Software Release 2-03 Recap

MCTFS Projects

Upgrade to Oracle 9i (New System Requirements)

Race Aggregate Reporting

Enhancement to CRCR Process

Changes to Composite Score Routine

Lieutenant Colonel to Colonel MOS Conversions

Unit Diary, Tickler File, and Intelligent Forms Linkage

Software Release 2-03 Recap

DFAS Projects

Special Duty Assignment (SDA) Pay System Changes

Staff Judge Advocate Continuation Pay

Advance Temporary Lodging Allowance (TLA)

MyPay W-2 Print Options

Software Release 1-04 Recap

DFAS Projects

FLPP Corrections
Changes to Bond and Allotments
U/E Modules for Privatized Housing

Software Release 1-04 Recap

MCTFS Projects

Collection Server Enhancements

ACIP Automation

Promotion for IRR

Stop/Loss Enhancements

Prom Restriction for Reduced Administratively

Additional Civilian Education Codes

PMOS Automation

Officer Time Lost

ODSE Upgrade to Oracle 9i

Operational Identification Code (Remarks)

Software Release 2-04 Look Ahead

MCTFS Projects

National Call to Service
Named Contingency File
Operational Risk Management Plan
ACIP Follow-on
INFOPAC Reports Reduction
AWOP Delete
Training IADT Drop Vice Join
Enhancement to CRCR
Casualty Status Codes

Software Release 2-04 Look Ahead

MCTFS Projects

Conversion of TTC 239 to Independent Process

Conversion of RED ADABAS file to MCTFS File Remark

Auto Load and Expansion of TFS Master

Convert upfront edits for TTC's to be Tables Driven TFAS/MOL

Conversion of Diary edit objects and Courier objects TFAS/MOL to Java

Remove REDs process in UD module

UD/MIPS Courier Queuing

Software Release 2-04 Look Ahead

DFAS Projects

National Call to Service

Imminent Danger Pay for Reservist Enhancements

MISSA/MISSO Portal

Advancing Administration Through Technology
http://missa.manpower.usmc.mil

Automated File Transfer and Reconciliation Process

What is the Automated File Transfer and Reconciliation Process?

Secure file transfer protocol (SFTP) and MQ Series allows UD/MIPS to schedule the automatic transmission of courier files, the receipt/reconciliation of TRECON and Tables TRECON files, receipt and loading of Electronic Diary Feedback Report files and detailed logs to track information. The data transmissions are executed through the UD/MIPS Server, Collection Server(Kansas City, MO), and the Mainframe (ST Louis, MO) according to scheduled events that are set by the individual unit.

Automated File Transfer and Reconciliation Process

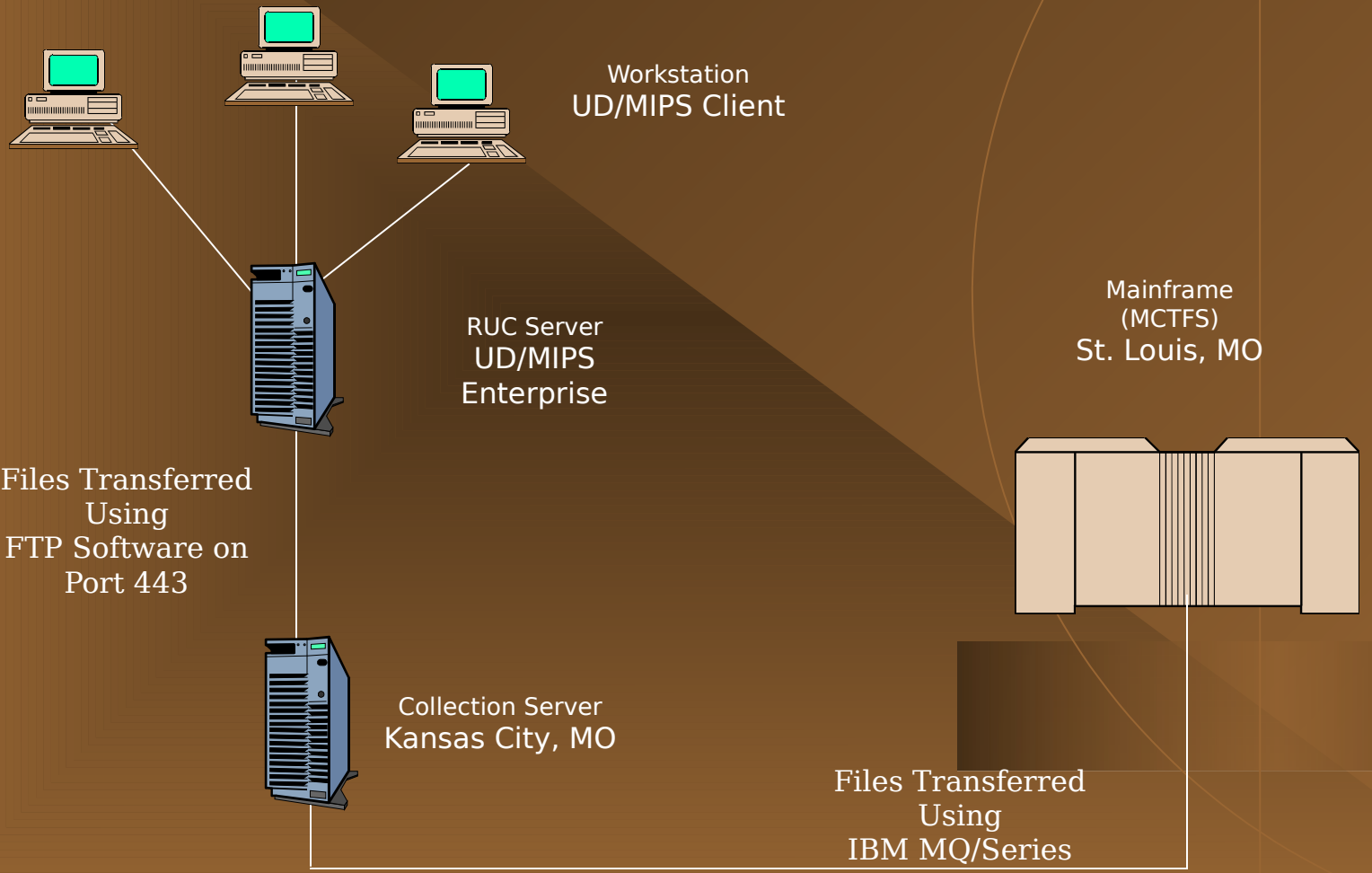
The Collection Server performs the following functions:

- Receives Courier Receipts, EDFR, MCRISS DataSet, Full, Touched,and Tables TRECON files from the Mainframe after each cycle which are retrieved by the RUC Server based on the Scheduled Events times.

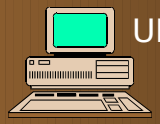
- Send courier files to the Mainframe for processing via MQ Series.

- Allows the RUC Server to establish a session so courier files can be sent SFTP to the collection server using Port 443.

Automated File Transfer and Reconciliation Process

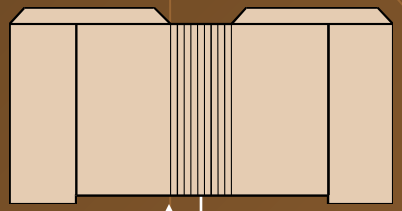


Automated File Transfer and Reconciliation Process



Workstation
UD/MIPS Client

Mainframe
(MCTFS)
St. Louis, MO

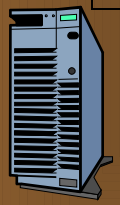


Connects to Enterprise Data Base Data Entry Performed from Workstation

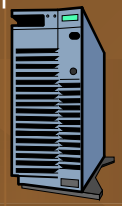
Requested Data is sent to UD/MIPS Application on the Server

Couriers are automatically sent to the Mainframe using MQ/Series

Only Touch, Full, Tables TRECON, EDFR, MCRISS and Courier Receipt Files are sent via MQ/Series upon completion of MCTFS Cycle to the CS



Courier Files sent to the CS from the RUC Server



Touch/Full/Tables TRECON/EDFR MCRISS Data set, Courier Receipt File are retrieved from the CS then reconciled by the RUC Server per the scheduled events table. The Remote Courier Window in the Diary Module of the application is updated with the receipt File information.

RUC Server
UD/MIPS
Enterprise

Collection Server
Kansas City, MO

Automated File Transfer and Reconciliation Process

The following are some of the enhancements to the Process coming in SR 1-04:

Changes the structure to a DB which will allow the field to query the DB to effectively mange the process.

Changes the Date/Time Stamps on the remote courier window reflect times as CST regardless of location. This will allow the field to have the same confidence as they have now with HOD (Job Number). In addition, a column for file size is being added to the remote courier tab to reflect the size of file that was received by the Mainframe. This will allow the field to react prior to cycle if problems exist.

Automated File Transfer and Reconciliation Process

The following are some of the enhancements to the Process coming in SR 1-04:

Add a DBUM role so MISSO's/MISSA can manage there units and also query the DB. This will allow MISSO's to become effective managers and proactive in provided critical information to units that use the CS.

Creates a system pre-test that the unit's workstation must past before a request can be approved. This will give feedback to the field as to where there deficiency exist so they can fix and benefit from the functionality the CS offers.

Automated File Transfer and Reconciliation Process

The following are some of the enhancements to the Process coming in SR 1-04:

Create a process that allows the field to turn on/off the CUDDB postings. This will fix several problems that are plaguing the jurisdictional servers (MISSO 9, 6, 2, & 27).

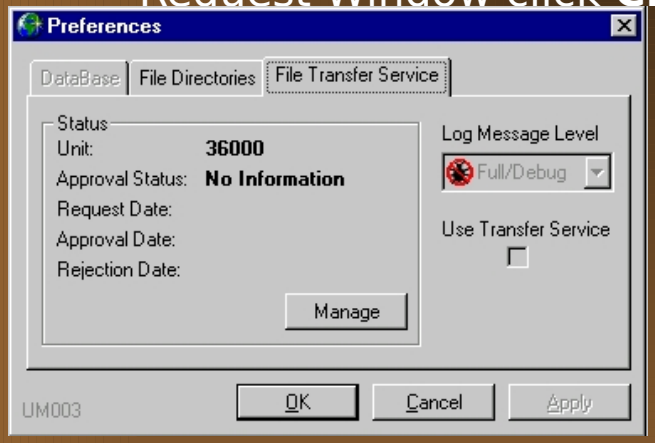
Fixes the Tables TRECON process to allow the loading regardless of entries on Diaries or in the Transaction Pool. This is a major problem that is affecting jurisdictional servers (MISSO 9, 6, 2, & 27).

Automated File Transfer and Reconciliation Process

Gaining Access

To check the status of the request to see if it has been approved:

1. From common utilities, **File**, **Preferences**, **File Transfer Service Tab** then **Manage**. 2. On the File Transfer Service Request Window click **Check**.

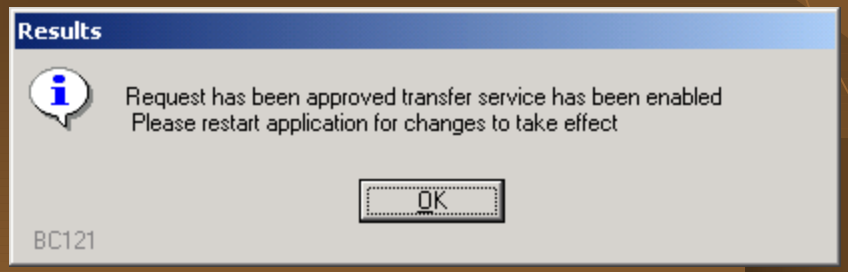


Automated File Transfer and Reconciliation Process

Gaining Access

You will receive the following message once the request has been approved.

Note: **You must check the status from the Server to see if the request has been approved. It will not update unless you complete this step!**


Results
Request has been approved transfer service has been enabled
Please restart application for changes to take effect
OK
BC121

Automated File Transfer and Reconciliation Process

Troubleshooting

Step 1 – Ensure the server is turned on and UD/MIPS is loaded.

Step 2 – Make sure the Server name has not changed from the original request. If it has changed then a new request will have to be submitted after the old request is deleted. Contact MISSO.

Step 3 – Check to make sure you can connect to the Collection Server Website – https://udmips.kct.usmc.mil.

Automated File Transfer and Reconciliation Process

Troubleshooting

Step 4 -- Verify the Browser is using 128 bit encryption.

If you cannot connect then try connecting from another computer.

If other computers can connect then reload the security certificate.

Ensure the certificate was loaded to the Trusted Root Certification Authorities\Local Computer" on the Server

If a connection still cannot be established contact your local G-6 for connectivity/firewall issues.

Verify with the G-6 that Port 443 is not restricted.

Verify what patch/updates have been applied recently. If patches/updates have been applied then contact MISSO.

Automated File Transfer and Reconciliation Process

Troubleshooting

Security Certificates -- It has been identified that from time to time the security certificate that the Collection Server uses can expire, become overwritten with a bad data, or deleted by a number of different sources (ISC, G6, NOC or MITNOC, User). When this occurs the RUC Server will not be able to connect with the Collection Server. Therefore NO connection would be made to submit diaries, receive TRECONS or receive EDFR. All Collection Server Managers need to check their Security Certificates on a regular basis. If a problem is found then reload the certificate.

Port 443/Firewall issues -- This port must be open for units prior to requesting authorization to use the process. A lot of "Time Out" issues are associated with Firewall restrictions on Port 443. If you receive a valid Security Alert but Red X's on the certificate when viewing a firewall issue may exist. Contact your local G-6 to resolve before attempt to gain access.

Automated File Transfer and Reconciliation Process

Troubleshooting

Server Computer Name – Only one RUC can be authorized to use the Automated File Transfer and Reconciliation Process. Therefore, during the authorization process the computer name is capture and stored within a table inside UD/MIPS that the collection server validates. If the Collection Server does not recognize the computer name it will not allow a connection to be made. Solution is to have the MISSO reject the unit and have them do a new request from the new computer.

Server not correctly Configured -- Ensure that the C:\ drive is installed with only the operating system. Ensure UD/MIPS along with ORACLE are installed on a drive other than C:\. **DO NOT INSTALL ORACLE OR UD/MIPS ON THE C:\ DRIVE**. If this is not the current setup it is recommended that you fix the configuration prior to requesting access. UD/MIPS – DBUM – ORACLE are three separate applications that use a lot of the server resources. Therefore, Don't put any other application on the server unless you want problems.

Automated File Transfer and Reconciliation Process

Troubleshooting

Unit Diary Size Limitation –Although there is a size limitation of 9,999 transaction that can be processed on the mainframe there is also a size limitation for MQ Series. Couriers should not exceed 4,000 when sending diaries through the collection server. Units that do large diaries should manually upload it through Host of Demand. In addition it should be manually deleted from the remote courier tab.

G-6 Involvement - The local G-6/NOC needs to be made aware that the CS utilizes Internet Port 443 to send and receive data. **Units that have established a good relationship with the G-6 seem to experience less or no problems with the CS.** Due to filters/restrictions that are put on Port 443 large couriers can time out and prevent other couriers from being sent (RUC Server Issue).

Automated File Transfer and Reconciliation Process

Troubleshooting

ELSIG Privileges Not Set– If you don't have the ability to remotely administer the process then the ELSIG privileges have not been set. In order for managers to remotely manage the Automated File Transfer and Reconciliation Process the ECO must assign the following ELSIG privileges to the User; **Turn On/Off Scheduled Events** and **Remote Exec of Scheduled Events**. If these privileges are not set then all managing must be done from the Server.

Request for Approval stays in a Pending Status -- You must check the status from the Server to see if the request has been approved. It will not update unless you physically log into the Server, **File, Preference, File Transfer Service Tab, Manage**. This is the only way to go from pending to approved.

Automated File Transfer and Reconciliation Process

More Information is available at http://missa.manpower.usmc.mil